From: Gregory, Thomas
To: Joshua Hill; Ruschaupt, Chris @ Washington DC (Chris.Ruschaupt@cbre.com); McDonald, Genelle; Tracey D. Dickens (tdickens@ucpmanagement.com); Deborah Perry (dperry@ucpmanagement.com); "Steve Braesch"; Danny Mapili - WPD-C; Edwin Lopacki - WPCB; Hallie Futterman - WPDAA; Carrie Anderson; Terry Lamb Sr.; Anton Porter; Todd Williams; kelly.dulli@cbre.com; Goldfarb, Lynn; "jketay@ghtltd.com" (jketay@ghtltd.com); Bloom, Dave
Subject: RE: FERC HQ- Secure Room clarifications
Date: Wednesday, August 10, 2016 4:42:51 PM

Afternoon Josh,
Following up with the security team comments, can you clarify which of the two security partition types are required:

- **An 1-1/2" 9ga security mesh welded to 16 ga studs would be acceptable based on the information below.**
  or
- **Three-quarter inch mesh, # 9 (10 gauge) expanded metal shall be affixed to the interior side of all SCIF perimeter wall studs.**

Once confirmed we can issue a formal BID addendum to Balfour Beatty.

Thomas Gregory
Project Manager, Associate
t 202.624.8316
Perkins+Will

From: Joshua Hill [mailto:Joshua.Hill@ferc.gov]
Sent: Wednesday, August 10, 2016 9:21 AM
To: Ruschaupt, Chris @ Washington DC (Chris.Ruschaupt@cbre.com) <Chris.Ruschaupt@cbre.com>; McDonald, Genelle <GMcDonald@balfourbeattyus.com>; Tracey D. Dickens (tdickens@ucpmanagement.com) <tdickens@ucpmanagement.com>; Deborah Perry (dperry@ucpmanagement.com) <dperry@ucpmanagement.com>; 'Steve Braesch' <sbraesch@sgrinvestments.com>; Danny Mapili - WPD-C <danny.mapili@gsa.gov>; Edwin Lopacki - WPCB <tony.lopacki@gsa.gov>; Hallie Futterman - WPDAA <hallie.futterman@gsa.gov>; Joshua Hill <Joshua.Hill@ferc.gov>; Carrie Anderson <Carrie.Anderson@ferc.gov>; Terry Lamb Sr. <Terry.Lamb@ferc.gov>; Anton Porter <Anton.Porter@ferc.gov>; Todd Williams <Todd.Williams@ferc.gov>; kelly.dulli@cbre.com; Goldfarb, Lynn <Lynn.Goldfarb@perkinswill.com>; Gregory, Thomas <Thomas.Gregory@perkinswill.com>; 'jketay@ghtltd.com' (jketay@ghtltd.com) <jketay@ghtltd.com>
Subject: FW: FERC HQ- Secure Room clarifications

Please see the response from our security team below.

Josh D. Hill, RPA | Director, Logistics Management Division
Phone: 202.502.6159 | Mobile: 202.590.7812 | Email: Joshua.Hill@ferc.gov

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From: Jeremy Parmer
Sent: Wednesday, August 10, 2016 9:16 AM
To: Joshua Hill <Joshua.Hill@ferc.gov>; Jerad S. Linneman <Jerad.Linneman@ferc.gov>; Mark Radlinski <Mark.Radlinski@ferc.gov>
Cc: Carrie Anderson <Carrie.Anderson@ferc.gov>; Eduardo Ribas <Eduardo.Ribas@ferc.gov>; Doug Foster <Doug.Foster@ferc.gov>
Subject: RE: FERC HQ- Secure Room clarifications

Good Morning Josh,

I have not received an answer from DOE but my new Director, Mark Radlinski, provided access to the ISC-705 which contains the information. See below.

- **The drawings do not give details on security mesh in the walls for this room. We have included 1-1/2" 9ga security mesh welded to 16ga studs. Please clarify if this is acceptable.**
  - **An 1-1/2" 9ga security mesh welded to 16 ga studs would be acceptable based on the information below.**

3. Open Storage without SID -- Use Wall B - Suggested Wall for Expanded Metal or Wall C - Suggested Wall for Plywood.

a) Three layers of ⅝ inch-thick wallboard, one layer on the outside of the SCIF and two on the inside of the SCIF provide adequate rigidity and acoustic protection (Sound Class 3).

b) Metal studs shall be 3 ⅝ inch-wide, 16 gauge metal, mounted a maximum of 16 inches on center.

c) Wooden studs will be 2 x 4 studs mounted a maximum of 16 inches on center.

d) Continuous runners (same gauge as studs) for securing studs shall be anchored to the true floor and true ceiling structures.

e) Wall B - Suggested Wall for Expanded Metal (see drawing for Wall B-Suggested Construction for Expanded Metal).

(1) Three-quarter inch mesh, # 9 (10 gauge) expanded metal shall be affixed to the interior side of all SCIF perimeter wall studs.

(2) Expanded metal shall be spot-welded to the studs every six inches along the length of each vertical stud and at the ceiling and floor.

(3) Hardened screws with one inch washers or hardened clips may be used in lieu of welding to fasten metal to the studs. Screws shall be applied every six inches along the length of each vertical stud and at the ceiling and floor.

(4) Fastening method shall be noted in the FFC.

(5) Entire wall assembly shall be finished and painted from true floor to true ceiling.

- **A March 3, 2016 email from Jeremy Parmer (FERC) mentioned that the HVAC ductwork in the secure room should be non-metallic. We have not included this because it is not shown on the drawings. We have only included the security provisions at the wall penetrations, as shown on 1/M0503 (flexible canvas connection, steel security bars, etc). Please confirm this is acceptable.**
    - **I believe this would be acceptable because I do not see anything in the information I provided below requiring non-metallic ductwork. I recall this was a suggestion from DOE but not a requirement per SCIF construction guidelines.**

G. SCIF Perimeter Penetrations Criteria

1. All penetrations of perimeter walls shall be kept to a minimum.

2. Metallic penetrations may require TEMPEST countermeasures, to include dielectric breaks or grounding, when recommended by the CTTA.

3. Utilities servicing areas other than the SCIF shall not transit the SCIF unless mitigated with AO approval.

4. Utilities should enter the SCIF at a single point.

5. All utility (power and signal) distribution on the interior of a perimeter wall treated for acoustics or RF shall be surface mounted, contained in a raceway, or an additional wall shall be constructed using furring strips as stand-off from the existing wall assembly. If the construction of an additional wall is used, gypsum board may be ⅜ inch-thick and need only go to the false ceiling.

6. Installation of additional conduit penetration for future utility expansion is permissible provided the expansion conduit is filled with acoustic fill and capped (end of pipe cover).

7. Vents and Ducts

a) All vents and ducts shall be protected to meet the acoustic requirements of the SCIF. (See Figure 4, Typical Air (Z) Duct Penetration, for example.)

b) Walls surrounding duct penetrations shall be finished to eliminate any opening between the duct and the wall.

c) All vents or duct openings that penetrate the perimeter walls of a SCIF and exceed 96 square inches shall be protected with permanently affixed bars or grills.
(1) If one dimension of the penetration measures less than six inches, bars or grills are not required.

(2) When metal sound baffles or wave forms are permanently installed and set no farther apart than six inches in one dimension, then bars or grills are not required.

(3) If bars are used, they shall be a minimum of ½ inch diameter steel, welded vertically and horizontally six inches on center; a deviation of ½ inch in vertical and/or horizontal spacing is permissible.

(4) If grills are used, they shall be of ¾ inch-mesh, #9 (10 gauge), case-hardened, expanded metal.

(5) If bars or grill are required, an access port shall be installed inside the secure perimeter of the SCIF to allow visual inspection of the bars or grill. If the area outside the SCIF is controlled (SECRET or equivalent proprietary space), the inspection port may be installed outside the perimeter of the SCIF and be secured with an AO-approved high-security lock. This shall be noted in the FFC.

If you have any additional questions or concerns, please contact Mark or myself.

V/R

Jeremy Parmer

Physical Security and Asset Protection Specialist

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AWS: 2nd Friday

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From: Joshua Hill
Sent: Thursday, August 04, 2016 5:39 PM

To: Jeremy Parmer <Jeremy.Parmer@ferc.gov>; Jerad S. Linneman <Jerad.Linneman@ferc.gov>
Cc: Carrie Anderson <Carrie.Anderson@ferc.gov>; Eduardo Ribas <Eduardo.Ribas@ferc.gov>; Doug Foster <Doug.Foster@ferc.gov>
Subject: FW: FERC HQ- Secure Room clarifications

Jeremy,

Please see the email below. We need confirmation the details below are acceptable for the level to which we are building the secure room on the 3rd floor. Are you able to confirm, or do we need to reach out to DOE? We need to know as soon as possible so we can finalize the pricing.

Thanks

Josh D. Hill, RPA | Director, Logistics Management Division
Phone: 202.502.6159 | Mobile: 202.590.7812 | Email: Joshua.Hill@ferc.gov

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From: Clark, Michelle [mailto:mclark@Balfourbeattyus.com]
Sent: Thursday, August 04, 2016 2:58 PM
To: Ruschaupt, Chris @ Washington DC <Chris.Ruschaupt@cbre.com>; McDonald, Genelle <GMcDonald@balfourbeattyus.com>; 'Tracey D. Dickens (tdickens@ucpmanagement.com)' <tdickens@ucpmanagement.com>; 'Deborah Perry (dperry@ucpmanagement.com)' <dperry@ucpmanagement.com>; 'Steve Braesch' <sbraesch@sgrinvestments.com>; 'Danny Mapili - WPD-C (danny.mapili@gsa.gov)' <danny.mapili@gsa.gov>; Danny Mapili (dcmapili@dm-consulting-group.com) <dcmapili@dm-consulting-group.com>; Edwin Lopacki - WPIAA (tony.lopacki@gsa.gov) <tony.lopacki@gsa.gov>; Hallie Futterman - WPDAA (hallie.futterman@gsa.gov) <hallie.futterman@gsa.gov>; Joshua Hill <Joshua.Hill@ferc.gov>; Carrie Anderson <Carrie.Anderson@ferc.gov>; Terry Lamb Sr. <Terry.Lamb@ferc.gov>; Anton Porter <Anton.Porter@ferc.gov>; Todd Williams <Todd.Williams@ferc.gov>; Dulli, Kelly @ Washington DC <Kelly.Dulli@cbre.com>; lynn.goldfarb@perkinswill.com; Thomas Gregory (thomas.gregory@perkinswill.com) <thomas.gregory@perkinswill.com>; jketay@ghtltd.com
Cc: FERC Building Renovation <FERCBuildingRenovation@Balfourbeattyus.com>
Subject: FERC HQ- Secure Room clarifications

All,
Following up on our meeting this morning, below are the two items we had clarified for the Secure Room on the 3rd floor:

The drawings do not give details on security mesh in the walls for this room. We have included 1-1/2" 9ga security mesh welded to 16ga studs. Please clarify if this is acceptable.

A March 3, 2016 email from Jeremy Parmer (FERC) mentioned that the HVAC ductwork in the secure room should be non-metallic. We have not included this because it is not shown on the drawings. We have only included the security provisions at the wall penetrations, as shown on 1/M0503 (flexible canvas connection, steel security bars, etc). Please confirm this is acceptable.

thanks

Michelle Clark | Senior Project Manager
office: 703.218.1369 | cell: 571.266.9688 | mclark@balfourbeattyus.com
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